

# FY 10 3RD QUARTER EXCEPTION REPORT

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# FY 10 3RD QUARTER OUTPUT REPORT

GOAL #1: Clean & Safe Water		Program #4500: Surface Water Regulation	
Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.5	<b>TASK: Surface Water Program Development</b>  Perform program development support activities for surface water program including development of program procedures and policies.  <b>DELIVERABLES:</b>		
NPS XI	1) Update-implementation procedures for: a) Narrative nutrients in lakes and reservoirs b) Narrative bottom deposits c) Narrative biocriterion. d) Antidegradation	T = 6/10	Surface Water
PPG	2) Draft implementation procedures for: a) Methylmercury in fish tissue b) Narrative toxics standard	T a) 12/09 b) 6/10	Surface Water
	3) Develop narrative nutrient criteria workplan for streams and rivers.	T = 10/09	Surface Water
	4) Develop strategy and establish priorities for 2012 triennial review.	T = 06/10	Surface Water
<b>OUTPUT REPORT COMMENTS</b>			
<b>2ND QTR:</b> Deliverable 2 is off target; the draft is being revised and expect completion by March 2010. Deliverable #3 not met; additional workgroup meetings have been held and a draft workplan document is in progress. Expect to complete the draft by March 2010.			
<b>3RD QTR:</b> Deliverable 2a is off target; the draft is being revised and expect completion by December 2011. Deliverable #3 not met; additional workgroup meetings have been held and a draft workplan document is in progress. Expect to complete the draft by June 30, 2010.			

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW) PPG	7.00	31,149
GFS (SW) NPS XI	6.00	22,314
WQARF	3.00	9,920
WQARF PPG	6.00	28,100
PPG	8.00	28,535
NPS Impl. XI	7.00	25,861
GFS-AZPDES (SW)	4.00	17,606
GFS (SW)	3.00	10,994
<b>TOTAL</b>	<b>44.00</b>	<b>174,479</b>

## FY 10 3RD QUARTER OUTPUT REPORT

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.6	<b>TASK: Ambient Monitoring Program</b>  Ambient monitoring program, which includes rivers and streams, lakes and reservoirs, groundwater, and fish tissue and sediment sampling for priority pollutants.  <b>DELIVERABLES:</b>		
PPG	1) Conduct ambient stream monitoring per FY 10 sampling and analysis plan. Monitoring to include targeted and probalistic basin characterization sites and planning list sites in support of 305(b) assessment process.	T = Quarterly <b>Done</b>	Surface Water/SRO
106 Mon	2) Prepare FY 11 sampling and analysis plan for rivers and streams	T = 5/10	Surface Water
	3) Conduct ambient lake monitoring per FY 10 sampling and analysis plan. Monitoring to include watershed characterization and planning list sites in support of 305(b) water quality assessment process.	T =Quarterly <b>Done</b>	Surface Water
	4) Prepare FY 11 sampling and analysis plan for lakes and reservoirs	T =5/10	Surface Water
	5) Prepare FY 10 sampling plan for fish tissue monitoring.	T = 9/09	Surface Water
	6) Conduct fish tissue and sediment sampling program on Arizona lakes and reservoirs for presence of mercury-to support-fish consumption advisory programs.	T = Ongoing	Surface Water
<b>OUTPUT REPORT COMMENTS</b>  <b>2ND QTR:</b> All deliverables on target with the exception of #5; the FY10 fish tissue sampling plan is presently being drawn up. This task should be finished by January 31 <sup>st</sup> . Deliverables 1 and 3 were done according to sampling and analysis plan. <b>3RD QTR:</b> All deliverables are on-target, except #5 which is being drawn up; expect completion by 1/31/10.			

# FY 10 3RD QUARTER OUTPUT REPORT

GOAL #1: Clean & Safe Water		Program #4500: Surface Water Regulation	
Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.6	TASK: Ambient Monitoring Program (Cont'd)  DELIVERABLES:		

<b>FTE FUNDING SOURCE</b>	<b>MONTHS</b>	<b>AMOUNT</b>
GFS (SW)	12.00	51,789
GFS (SW) NPS XI	21.00	73,095
WQARF	4.92	16,268
WQARF PPG	12.00	39,679
WQARF NPS X	12.00	42,708
WQARF NPS XI	16.50	61,234
PPG	16.00	57,258
106 Monitoring	3.00	9,920
<b>TOTAL</b>	<b>97.42</b>	<b>351,951</b>

## FY 10 3RD QUARTER OUTPUT REPORT

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.7	<b>TASK: 106 Monitoring</b>  Monitoring Initiative (MI) program for implementation of AZ approved comprehensive monitoring strategy.  <b>DELIVERABLES:</b>		
106 Mon	1) Support monitoring personnel	T = 6/10	Surface Water
106 Mon-2	2) Monitoring Program Support a) Purchase field and monitoring equipment	T = a) Ongoing thru 6/10	Surface Water
106 Mon-2	3) Physical integrity a) Inventory bank height ration, width depth ratio and Bank Erosion Hazard Index (BEHI) data at selected sites as outlined in ambient monitoring SAP (task 1.3.6 deliverable 1).	T = a) 6/10	Surface Water
106 Mon	4) Emerging contaminants a) Conduct monitoring according to SAP.	T = a) 6/10	Surface Water
106 Mon	5) Intermittent streams a) Conduct intermittent stream monitoring according to FY09 Sampling and Analysis Plan.	T = a) 6/10	Surface Water
106 Mon-2	6) Effluent dependent waters a) Conduct monitoring according to SAP for effluent dependent waters.	T = a) 6/10	Surface Water
<b>OUTPUT REPORT COMMENTS</b>			
<b>2ND QTR:</b> All deliverables are on-target. <b>3RD QTR:</b> All deliverables are on-target.			

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW)	6.00	25,834
106 Monitoring	9.00	33,531
106 Monitoring-2	12.00	43,450
<b>TOTAL</b>	<b>27.00</b>	<b>102,815</b>

## FY 10 3RD QUARTER OUTPUT REPORT

<b>GOAL #1: Clean &amp; Safe Water</b>		<b>Program #4500: Surface Water Regulation</b>	
<b>Objective #3:</b> Reduce pollutant loading to surface water.			
<b>TASK/ GRANT</b>	<b>OUTPUT DESCRIPTION</b>	<b>EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL</b>	<b>RESPONSIBLE SECTION/ STAFF</b>
<b>1.3.8</b>	<b>TASK: Water Quality Assessment</b>  Development of water quality assessment documents (e.g. 305(b), 205(j) and processes).  <b>DELIVERABLES:</b>		
PPG NPS XI	1) Submit Arizona’s Integrated 305(b) Assessment and 303(d) Listing report to EPA.	T = 4/10	Surface Water
<b>OUTPUT REPORT COMMENTS</b>			
<b>2ND QTR:</b> All Deliverables are on target.			
<b>3RD QTR:</b> Deliverables are not on target; will only have two watersheds completed by the end of April due to staff shortages. A full draft is expected in October.			

<b>FTE FUNDING SOURCE</b>	<b>MONTHS</b>	<b>AMOUNT</b>
GFS (SW)	3.00	6,880
GFS (SW) PPG	2.84	13,301
WQARF PPG	2.16	10,116
PPG	20.00	70,167
NPS Impl. XI	8.00	27,775
<b>TOTAL</b>	<b>36.00</b>	<b>128,239</b>

## FY 10 3RD QUARTER OUTPUT REPORT

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.		Program #4500: Surface Water Regulation	
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	<b>TASK: TMDL Analyses</b>  Oversee Total Maximum Daily load (TMDL) efforts and conduct TMDLs and related analyses.  <b>DELIVERABLES:</b>		
NPS XI PPG	1) a) Provide Quarterly TMDL Project Status Table updates on TMDL progress. b) Submit TMDL Reports to EPA for approval; complete 14 TMDLs on 12 waterbodies in FY 10. (See FY 10 Project Completion Status Table.	a) T = Quarterly <b>Done</b> b) T = 6/10	Surface Water
NPS X PPG	2) a) Continue collecting water quality data for TMDL development and provide status Table Updates each quarter. b) Monitor 23 TMDLs on 13 waterbodies (see FY 10 Continued Monitoring Status Table).	a) T = Quarterly <b>Done</b>  T = 6/10	Surface Water
<b>OUTPUT REPORT COMMENTS</b> <b>2ND QTR:</b> Deliverable #1b- not met; see table below. Deliverable #2b: on target; see table below. <b>3RD QTR:</b> Deliverable #1b off target for 6/10, but on pace for 9/10; sampling delayed due to lack of precipitation and reduced staff. Deliverable #2b on target. See tables below.			

FTE FUNDING SOURCE	MONTHS	AMOUNT
GFS (SW)	9.00	35,125
GFS (SW) NPS XI	23.56	86,409
WQARF	10.08	33,330
WQARF NPS X	32.80	120,399
PPG	32.80	120,399
NPS Impl XI	21.94	86,720
NPS Impl X	9.00	29,759
<b>TOTAL</b>	<b>139.18</b>	<b>512,141</b>

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## TMDL PROJECTS QUARTERLY STATUS 1.3.9 TMDL Development – Project Completion by June 2009

Segment	Impairment	Project Manager	Comments
Alamo Lake	Hg in Fish Tissue	stf	Approval 09/09 Q1- internal TMDL draft is under review Q2- recalculating TMDLs based trophic level basis per EPA guidance. Q3- draft TMDL is under internal review
Parker Canyon Lake	Hg in Fish Tissue	ld1	Approval 09/09 Q1- draft TMDL is under development Q2- no action on project due to recalc of other Hg TMDLs Q3- no action on this project
Queen Creek- headwaters to Superior WWTP	Cu	kwp	Approval 09/09 Q1- data collection for SSS continues Q2- one sampling event occurred that filled several data gaps Q3- additional sampling occurred, awaiting lab results to verify NB concentrations
Queen Creek- Superior WWTP to Potts Canyon	Cu	kwp	Approval 09/09 Q1- data collection for SSS continues Q2- one sampling event occurred that filled several data gaps Q3- additional sampling occurred, awaiting lab results to verify NB concentrations
Oak Creek- Headwaters to West Fork Oak Creek	<i>E. coli</i>	js9	Approval 09/09 Q1- draft TMDL is under development Q2- TMDLs have been calculated, completing text Q3- TMDL is under upper management review
Oak Creek- West Fork Oak Creek to tributary (345709/1114513)	<i>E. coli</i>	js9	Approval 09/09 Q1- draft TMDL is under development Q2- TMDLs have been calculated, completing text Q3- TMDL is under upper management review
Oak Creek- Tributary (345709/1114513) to below SRSP	<i>E. coli</i>	js9	Approval 09/09 Q1- draft TMDL is under development Q2- TMDLs have been calculated, completing text Q3- TMDL is under upper management review
Oak Creek- below SRSP to Dry Creek	<i>E. coli</i>	js9	Approval 09/09 Q1- draft TMDL is under development Q2- TMDLs have been calculated, completing text Q3- TMDL is under upper management review
Oak Creek- Dry Creek to Spring Creek	<i>E. coli</i>	js9	Approval 09/09 Q1- draft TMDL is under development Q2- TMDLs have been calculated, completing text Q3- TMDL is under upper management review
Alvord Lake	NH4	ds12	Approval 06/10 Q2- data analyses continued Q3- modeling approaches under review



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Cortez Lake	Low DO, high pH	ds12	Approval 06/10 Q2- data analyses continued Q3- modeling approaches under review
Chaparral Lake	Low DO, <i>E. coli</i>	ds12	Approval 06/10 Q2- data analyses continued Q3- modeling approaches under review
Lower Lake Mary	Hg in fish tissue	stf	Approval 8/09 Q1-draft TMDL under internal review prior to 30-day public notice Q2- recalculating TMDLs based trophic level basis per EPA guidance Q3- TMDL is under upper management review
Lower Long Lake	Hg in fish tissue	stf	Approval 8/09 Q1-draft TMDL under internal review prior to 30-day public notice Q2- recalculating TMDLs based trophic level basis per EPA guidance Q3- TMDL is under upper management review
Soldiers Lake	Hg in fish tissue	stf	Approval 8/09 Q1-draft TMDL under internal review prior to 30-day public notice Q2- recalculating TMDLs based trophic level basis per EPA guidance Q3- TMDL is under upper management review
Soldiers Annex Lake	Hg in fish tissue	Stf	Approval 8/09 Q1-draft TMDL under internal review prior to 30-day public notice Q2- recalculating TMDLs based trophic level basis per EPA guidance Q3- TMDL is under upper management review
Upper Lake Mary	Hg in fish tissue	Stf	Approval 8/09 Q1-draft TMDL under internal review prior to 30-day public notice Q2- recalculating TMDLs based trophic level basis per EPA guidance Q3- TMDL is under upper management review
Gila River-New Mexico border to Bitter Creek	Sediment, <i>E. coli</i>	dm4	Approval 7/09 Q1- <i>E. coli</i> TMDL is awaiting final internal approval for 45- day AAR notice, draft SSC TMDL and response to comments under internal review prior to 45-day AAR notice Q2- redrafting TMDLs based on updated FMI Morenci permit status Q3- TMDL under internal review
Gila River-Bonita Creek to Yuma Wash	Sediment, <i>E. coli</i>	Dm4	Approval 7/09 Q1- <i>E. coli</i> TMDL is awaiting final internal approval for 45- day AAR notice, draft SSC TMDL and response to comments under internal review prior to 45-day AAR notice Q2- redrafting TMDLs based on updated FMI Morenci permit status Q3- TMDL under internal review

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### 1.3.9 TMDL Development- Continued Monitoring

Blue River-Strayhorse Creek to San Francisco River	<i>E. coli</i>	dm4	Q1- trained volunteer group on sample collected in support of targeted grant Q2- continued coordination with grantees Q3- continued coordination with grantees
San Francisco River-Blue River to Limestone Gulch	<i>E. coli</i>	dm4	Q1- trained volunteer group on sample collected in support of targeted grant Q2- continued coordination with grantees Q3- continued coordination with grantees
Crescent Lake	High pH	ds12	Q1- no action on this project Q2- one sampling event that coincided with previously measured exceedances Q3- no sampling activity on project
East Verde River-American Gulch to Verde River	As, B	kwp	Q1- continued SAP development Q2- coordinated sampling efforts with USGS Q3- additional samples collected by USGS
East Verde River-Ellison Creek to American Gulch	Se	kwp	Q1- continued SAP development Q2- coordinated sampling efforts with USGS Q3- additional samples collected by USGS
Little Colorado River-Silver Creek to Carr Wash	<i>E. coli</i>	dm4	Q1- additional storm samples needed Q2- TMDL development has begun additional samples will be collected Q3- additional sampling occurred
Little Colorado River-Porter Tank to McDonalds Wash	Cu, Ag, SSC	dm4	Q1- data collection nearly complete Q2- TMDL development has begun, additional SSC will be collected, delist report for Cu and Ag drafted Q3- additional SSC samples were collected, awaiting analytical results
Lyman Lake	Hg in fish tissue	ds12	Q1- poor monsoon produced insufficient runoff for sampling; additional storm runoff samples needed to complete sampling needed to support TMDL development Q2- additional storm/spring melt runoff will be collected, draft lake core report received from contractor Q3- no additional samples were collected; insufficient flows
Santa Cruz River-Mexico Border to Nogales Inter WWTP	<i>E. coli</i>	cb9	Q1- loss of staff has resulted in development of this project being delayed Q2- no action on project Q3- no action on project
Nogales Wash-Mexico Border to Protrero Creek	<i>E. coli</i> , chlorine, ammonia, copper	cb9	Q1- loss of staff has resulted in development of this project being delayed Q2- no action on project Q3- no action on project
San Pedro River-Aravaipa Creek to Gila River	<i>E. coli</i> , Se	cb9	Q1- loss of staff has resulted in development of this project being delayed Q2- no action on project Q3- no action on project
Watson Lake	Nitrogen, low D.O., high pH	Stf	Q1- poor monsoon produced insufficient runoff for sampling Q2- another sampling event occurred Q3- no action on project

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Granite Creek-headwaters to Willow Creek	Low D.O.	Stf	Q1- poor monsoon produced insufficient runoff for sampling Q2- one runoff event was sampled Q3- additional sampling occurred as did coordination with Watershed Group (training and sampling)
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